

Joint Warning and Reporting Network (JWARN)

DESCRIPTION

The Marine Corps is the lead Service for implementation of the JWARN program. JWARN will provide Joint Forces with an integrated comprehensive analysis and response capability to minimize the effects of hostile NBC attacks or accident/incidents, environmental hazards, or hazards from Toxic Industrial Material (TIM). The system will consist of hardware, software, and connectivity with Command, Control, Communications, Computers, Intelligence, and Information (C4I2) systems and remote detectors/sensors. JWARN will be compatible and integrated with Joint/Service C4I2 systems, the Defense Medical Surveillance System (DMSS) and networks/broadcasts.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>47</i>	<i>6</i>

OPERATIONAL IMPACT

JWARN will be compatible and integrated with Joint Service C4I2 systems. The JWARN will be located in C2 centers at the appropriate level, defined by Service specific annexes, and employed by NBC defense specialists and other designated personnel. It will transfer data for decisions for disseminating warnings down to the lowest level on the battlefield. It will provide additional data processing, production of plans and reports, and access to specific NBC information to improve the efficiency of limited NBC defense personnel assets. The JWARN will accelerate the warfighter's response to an enemy NBC attack.

PROGRAM STATUS

JWARN is forth on the JSIG priority list. IOC is scheduled for FY02 and FOC for FY04. The JWARN Program is being executed through a Joint Integrated Product Team (JIPT) process. Urgent need requirements submitted by the Marine Corps CBIRF and the Army 5th Corps led to an acquisition community decision to separate the program into a three Block phase. Block I, Interim/Standardization (IS), is the initial acquisition and fielding of commercial off the shelf (COTS) and Government off the shelf (GOTS) software to standardize NBC warning and reporting throughout the Marine Corps, Army, Navy, and Air Force. The Block I (IS) program will provide the following products: Block 1A - COTS NBC analysis software package for DOS, UNIX, and GOTS models; Block IB - COTS NBC analysis software package with Battlefield Management functionality for operation on the Army's Maneuver Control

System/Phoenix (MCSP); and Block IC- COTS NBC analysis software package with Battlefield Management functionality for Windows 32 Bit Environment. The Block II upgrade provides the total JWARN capability by integrating NBC Detector Systems, NBC Warning and Reporting Software Modules, and NBC Battlefield Management software modules into the Services C4I2 systems. The Block III Product Enhancement Program will include artificial intelligence modules for NBC operations, upgrade to match future C4I2 systems, and standard interfaces for use with future detectors.

DEVELOPER/MANUFACTURER

TBD